



Italian MS Register Project



RESEARCH PROJECTS

The Italian MS Register aims to address high-priority research areas: epidemiology, rare MS disease forms such as, primary progressive (PP) MS, pediatric MS as well as early and preclinical/subclinical disease stages represented by clinically isolated syndromes (CIS) and radiologically isolated syndromes (RIS), treatment optimization such as prognostic factors and predictive models of disease course, adherence to treatments, treatment efficacy, and safety. **Currently 21 Projects have been active on the three main areas of the strategic research line.**

DESCRIPTIVE EPIDEMIOLOGY: Studies the frequency, the distribution and the determinants of MS in populations.

- **Clinical characteristics and disease outcomes of late onset MS: a retrospective multicenter study.**
PI: Lorena Lorefice, Centro SM, Ospedale R. Binaghi, ATS Sardegna, Università degli Studi di Cagliari, Cagliari
- **Changes of clinical and demographic characteristics in patients with MS diagnosis during the various decades between 1983 and 2016.**
PI: Giuseppe Fenu, Centro SM, Ospedale Binaghi, Cagliari, Università degli Studi di Cagliari
- **Evaluation of baseline prognostic factors in a large Italian cohort of patients with multiple sclerosis.**
PI: Jessica Frau, Centro Regionale per la Diagnosi e la Cura della Sclerosi Multipla, Ospedale R. Binaghi, ATS Sardegna, Università degli Studi di Cagliari, Cagliari
- **The use of a roving EDSS reference value to enhance detection of EDSS worsening events: A real world evaluation through the Italian MS Register.**
PI: Paola Mosconi on behalf of Scientific Committee, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milan
- **INTEREST: Italian Multiple Sclerosis Registry Non interventional Retrospective Analysis in Secondary Progressive Multiple Sclerosis (SPMS).**
PI: Maria Trojano, Centro SM Università degli Studi di Bari Aldo Moro
- **Validate a case definition of multiple sclerosis (MS) using different electronic (health and social) record: case study on selected provinces of Emilia Romagna Region.**
PI: Mario Alberto Battaglia on behalf of Scientific Committee, Fondazione Italiana Sclerosi Multipla, Genova

THERAPY OPTIMIZATION: Study and analysis of MS therapies

- **Assessing efficacy and safety of treatments in progressive Multiple Sclerosis.**
PI: Maria Pia Amato, Dipartimento NEUROFARBA, Divisione di Riabilitazione Neurologica, Azienda Ospedaliero-Universitaria Careggi, IRCCS Fondazione Don Carlo Gnocchi, Firenze
- **Retrospective study to evaluate the long-term impact of different treatment strategies on disability outcomes in patients with Relapsing Multiple Sclerosis. Italian IMedWeb MS Registry. RE.LO.DI.MS Study.**
PI: Damiano Paolicelli, Centro SM, Dipartimento di Scienze Mediche di Base, Neuroscienze e Organi di Senso, Università degli Studi di Bari, Policlinico di Bari, Bari
- **Profiling treatment choices in MS during two different eras: a real world assessment in the Italian MS Registry.**
PI: Maria Trojano, Centro SM, Dipartimento di Scienze Mediche di Base, Neuroscienze ed Organi di Senso, Università di Bari, Bari
- **Big Multiple Sclerosis Data (BMSD) network.**
PI: Maria Trojano, Centro SM, Dipartimento di Scienze Mediche di Base, Neuroscienze ed Organi di Senso, Università di Bari, Bari
- **Retrospective pilot study on long-term Cladribine effects in patients with relapsing remitting multiple sclerosis or clinically isolated syndrome.**
PI: Francesco Patti, Centro SM AOU Policlinico Vittorio Emanuele di Catania, Policlinico G. Rodolico, Catania
- **Comparative effectiveness of initial treatment choices for multiple sclerosis: a multicentre study.**
PI: Emanuele D'Amico, Centro SM, AOU Policlinico Vittorio Emanuele Di Catania, Policlinico G. Rodolico, Catania
- **Autologous Hematopoietic Stem Cell Transplantation for Secondary Progressive Multiple Sclerosis: a comparative study with matched control patients from the Italian Multiple Sclerosis Register.**
PI: Matilde Inglese, Centro per lo Studio e la cura della SM e Malattie Demielinizzanti – DiNOGMI, Ospedale San Martino, Genova
- **Comparative effectiveness of different Natalizumab dosing schedules in real world life: a retrospective Italian multicentre study.**
PI: Francesco Patti, Centro SM AOU Policlinico Vittorio Emanuele di Catania, Policlinico G. Rodolico, Catania
- **The concept of persistence in disability improvement: an application of Markov model to treated patients from the Italian Registry.**
PI: Matilde Inglese, Centro per lo Studio e la cura della SM e Malattie Demielinizzanti – DiNOGMI, Ospedale San Martino, Genova
- **Early prediction of unfavorable evolution of Clinically Isolated Syndrome (CIS) patients. RECIS (Risk Estimate for CIS) study.**
PI: Roberto Bergamaschi, Centro SM, Fondazione Istituto Neurologico Nazionale Casimiro Mondino, Pavia
- **INSPIRA - Italian analysis of the National multiple sclerosis registry Studying the concept of Progression Independent from Relapse Activity.**
PI: Maria Trojano, Centro SM, Dipartimento di Scienze Mediche di Base, Neuroscienze ed Organi di Senso, Università di Bari, Bari
- **Early-aggressive treatment algorithm versus classical escalation therapy in relapsing multiple sclerosis.**
PI: Maria Trojano, Centro SM, Dipartimento di Scienze Mediche di Base, Neuroscienze ed Organi di Senso, Università di Bari, Bari
- **Predictive factors of disability progression in a large cohort of italian multiple sclerosis patients.**
PI: Marzia Romeo, Centro SM, Ospedale San Raffaele, Milano

RARE FORMS OF MS: Focus on the different MS forms (benign forms, RIS, CIS, PP, pediatric MS onset, aggressive forms)

- **E-MUSIC: Early Multiple Sclerosis Italian Cohort.**
PI: Maria Pia Amato, Dipartimento NEUROFARBA, Divisione di Riabilitazione Neurologica, Azienda Ospedaliero-Universitaria Careggi, IRCCS Fondazione Don Carlo Gnocchi, Firenze
- **Assessing the clinical course of pediatric onset multiple sclerosis in different treatment eras: are we really modifying the disease?**
PI: Damiano Baroncini, Centro SM di Gallarate, ASST della Valle Olona, Busto Arsizio, VA